VNIVERSITAT ĜID VALÈNCIA

COURSE DATA

Data Subject	
Code	36447
Name	Internships
Cycle	Grade
ECTS Credits	12.0
Academic year	2021 - 2022

Study (s)			
Degree	**Center**	**Acad. year**	**Period**
1406 - Degree in Data Science	School of Engineering	4	Second term

Subject-matter		
Degree	**Subject-matter**	**Character**
1406 - Degree in Data Science	14 - Internships	External Practice

Coordination	
Name	**Department**
SERRANO LOPEZ, ANTONIO JOSE	242 - Electronic Engineering

SUMMARY

The aim of the Internship Practices is to reinforce the training of university students in the operational areas of Institutions or Companies in order to achieve professionals with a real vision of the problems and their interrelationships, preparing them for their future incorporation into productive work or research.

The University may establish, by means of agreements with institutions or companies, programmes of cooperation in practices in which their participation in the specialised and practical preparation required for the training of students is agreed.

The practice programmes will be established for the training of students in the final year of the ETSE's Bachelor's and Master's degrees and will have to be drawn up in such a way that they are in line with the number of credits established.

The entity and activity to be carried out will be assigned from a list of institutions and companies with an agreement established with the University of Valencia through ADEIT, or with others with which the student establishes contact, after approval by the coordinating bodies of the subject in each degree.

The organisation and assessment of external internship (PE) is regulated as a general rule by the

Regulation of External Practices, approved by the Consell de Govern de la Universitat de València (http://www.uv.es/graus/PE/Reglament.pdf) and by the instructions developed by the Escola Tècnica Superior d'Enginyeria de la Universita de València ETSE-UV (http://www.uv.es/uvweb/enginyeria/ca/estudis-grau/graus/practiques-externes/informaciogeneral/presentacio-1285968430540.html)

The time commitment foreseen for this subject is: tasks in the host institution, 260 h.; tutorials at the university, 5 h.; attendance to courses and seminars, 15 h. and a detailed report on the knowledge and experiences acquired during the stay. knowledge and experience acquired during the external stay, 20 hours.

PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

To do the external internship, the first two courses must be completed in their entirety or 150 credits must be earned.

OUTCOMES

1406 - Degree in Data Science

- (CG02) Ability to solve problems with initiative and creativity and to communicate and transmit knowledge, abilities and skills, which should include the ethical and professional responsibility of the activity of a data scientist.

- (CG03) Capability to elaborate models, calculations, reports, to plan tasks and other works analogous to the specific field of data science.

- (CT01) To be able to access (bibliographical) information tools and appropriately use them in the development of their daily tasks.

- (CT03) Ability to defend your own work with rigor and arguments and to expose it in an adequate and accurate way with the use of the necessary means.

- (CE05) To understand the most relevant fields of application of data science and understand how data science is used to base and perform decision-making based on data

- (CE13) To know how to design, apply and evaluate data science algorithms for the resolution of complex problems.

- (CB3) Students must have the ability to gather and interpret relevant data (usually in their field of study) to make judgements that take relevant social, scientific or ethical issues into consideration.

- (CB4) Students must be able to communicate information, ideas, problems and solutions to both expert and lay audiences.

LEARNING OUTCOMES

Know how to apply the knowledge and skills acquired in a professional environment (CG2, CG3, CB3, CB4, CT1, CT3, CE5, CE13).

Be able to integrate in a work environment (GC2, GC3, CB3, CB4, TC1, TC3, SC5, SC13)

Learn to work with other data scientists on a common problem (CG2, CG3, CB3, CB4, CT1, CT3, CE5, CE13)

WORKLOAD

ACTIVITY	Hours	% To be attended
Internship		100
Internship	300,00	0
TOTAL	**300,00**	

TEACHING METHODOLOGY

MD5 - External placements. Tasks carried out in companies or research centres and developed on installations, processes, systems and/or services related to the professional activity of the Data Scientist (CG2, CG3, CB3, CB4, CT1, CT3, CE5, CE13).

Others: face-to-face work during the attendance to seminars or specific courses; non-face-to-face work of the student (preparation of reports and presentation of results); individual or group tutorials.

EVALUATION

The organisation and assessment of external placements (EP) is regulated as a general rule by the External Placement Regulations, approved by the Governing Council of the University of Valencia (http://www.uv.es/graus/PE/Reglament.pdf) and by the instructions developed by the School of Engineering of the University of Valencia ETSE-UV. (http://www.uv.es/uvweb/enginyeria/ca/estudis-grau/graus/practiques-externes/informaciogeneral/presentacio-1285968430540.html)

It will be assessed (CG2, CG3, CB3, CB4, CT1, CT3, CE5, CE13) taking into account:

(a) The company tutor's report, which will state: (40%)
- Fulfilment of the hours foreseen.
- The ability to integrate into the working group.
- Assessment of the activity carried out by the student.

b) The final report of the activities carried out in the company, which will objectively determine the difficulty of the tasks carried out and the relationship with the subjects of the degree. It will contain at least the following sections (30%):
- Relationship of the internship with the training studies carried out.
- Contribution of the student at the placement centre
- New knowledge and skills acquired
- Relationship with the placement centre staff and work methodology.

c) Courses or seminars attended by the student, both at the university and at the placement centre. (10%)

d) Monitoring of the Tutorial Plan. Other merits. (20%)

The percentages assigned to each section are those indicated in each case. The completion of the total number of hours of the internship is a necessary requirement for the evaluation, except in cases of force majeure. The percentage of the particular assessment of each sub-section will depend on the criteria of the university tutor depending on the characteristics of the internship.

In any case, the assessment system will be governed by what is established in the Reglament d'avaluació i qualificació de la Universitat de València per a títols de Grau i Màster (https://webges.uv.es/uvTaeWeb/MuestraInformacionEdictoPublicoFrontAction.do?accion=inicio&idEdictoSeleccionado=5639).

ADDENDUM COVID-19

This addendum will only be activated if the health situation requires so and with the prior agreement of the Governing Council

The teaching methodology of the subject will follow the Teaching Model approved by the Academic Commission of the Degree in Data Science (https://go.uv.es/cienciadatos/ModelDocentGCD).

If the facilities are closed for health reasons and that closure affects totally or partially the classes of the subject, these will be replaced by non-face-to-face sessions following the established schedules.

If the closure affects any face-to-face assessment test of the subject, this will be replaced by a test of a similar nature that will be carried out in virtual mode through the computer tools supported by the University of Valencia. The percentages of each evaluation test will remain unchanged, as established by this guide.